

In the Claims:

1. (Currently Amended) A ~~mixture~~ composition of sinterable powders for rapid prototyping, comprising a powdered polymer base and ~~a material~~ a substantially glassy material, wherein the composition further comprises powdered aluminum or powdered graphite or both; and wherein the glassy material is present in the composition in microflake form or microsphere form or both.

2. (Currently Amended) The ~~mixture~~ composition of claim 1, wherein said polymer base ~~is substantially formed by~~ comprises a polyamide.

3. (Currently Amended) The ~~mixture~~ composition of claim 2, wherein said polyamide polymer base comprises nylon.

4. (Currently Amended) The ~~mixture~~ composition of claim 1, wherein said glassy material ~~is constituted by~~ comprises amorphous silica.

5. (Currently Amended) The ~~mixture~~ composition of claim 1, ~~comprising a wherein said glassy~~ material is in the form of microspheres.

6. (Currently Amended) The ~~mixture~~ composition of claim 5, wherein said glassy material ~~is constituted by~~ comprises amorphous silica.

7. (Currently Amended) The ~~mixture~~ composition of claim 5, comprising powdered aluminum.

8. (Currently Amended) The ~~mixture~~ composition of claim ~~7~~ 5, comprising powdered graphite.

9. (Currently Amended) The mixture composition of claim 1, wherein said polymer base is ~~comprised~~ present in ~~quantities an amount~~ between about 20% and 90% by weight.

10. (Currently Amended) The mixture composition of claim 9, ~~characterized in that~~ wherein said polymer base is ~~comprised~~ present in ~~quantities between an amount between about~~ 35% and 50% by weight.

11. (Currently Amended) The mixture composition of claim 10, wherein said glassy material is in microflake form and is ~~comprised~~ present in ~~quantities an amount~~ between about 0.1% and 70% by weight.

12. (Currently Amended) The mixture composition of claim 11, wherein said glassy material is in microflake form and is ~~comprised~~ present in ~~quantities an amount~~ between about 10% and 25% by weight.

13. (Currently Amended) The mixture composition of claim 10, wherein said glassy material is in microsphere form and is ~~comprised~~ present in ~~quantities between 0% and an amount up to~~ about 70% by weight.

14. (Currently Amended) The mixture composition of claim 13, wherein said glassy material in microsphere form is ~~preferably~~ comprised present in ~~quantities an amount~~ between about 15% and 25% by weight.

15. (Currently Amended) The mixture composition of claim 7, wherein said powdered aluminum is ~~comprised~~ present in ~~quantities between 0% and an amount up to about~~ 70% by weight.

16. (Currently Amended) The mixture composition of claim 15, wherein said powdered aluminum is ~~preferably comprised present~~ in ~~quantities~~ an amount between about 10% and 25% by weight.

17. (Currently Amended) The mixture composition claim 8, wherein said powdered graphite is ~~comprised present~~ in ~~quantities between 0% and~~ an amount up to about 40% by weight.

18. (Currently Amended) The composition of claim 17, wherein said powdered graphite is ~~preferably comprised present~~ in ~~quantities between 0% and~~ an amount up to about 10% by weight.

19. (Currently Amended) The mixture composition of claim 1, comprising a polymer base, glassy material in microflake form, glassy material in microsphere form, and powdered aluminum, ~~and powdered graphite~~ in the following amounts:

polymer base	40%
glassy material in microflake form	20%
glassy material in microsphere form	20%
powdered aluminum	20%
powdered graphite	0%

20. (Currently Amended) The mixture composition of claim 1, comprising a polymer base, glassy material in microflake form, glassy material in microsphere form, powdered aluminum and powdered graphite, in the following amounts:

polymer base	45%
glassy material in microflake form	15%
glassy material in microsphere form	20%
powdered aluminum	15%
powdered graphite	5%

21. (New) The composition of claim 1, comprising powdered aluminum.

22. (New) The composition of claim 1, comprising powdered graphite.

23. (New) The composition of claim 1, comprising both powdered aluminum and powdered graphite.

24. (New) The composition of claim 1, wherein the glassy material is in the form of microflakes or in the form of microflakes and microspheres.

25. (New) The composition of claim 24, wherein the glassy material comprises amorphous silica.

26. (New) The composition of claim 24, comprising powdered aluminum.

27. (New) The composition of claim 24, comprising powdered graphite.

28. (New) The composition of claim 24, comprising both powdered aluminum and powdered graphite.

29. (New) The composition of claim 7, comprising both powdered aluminum and powdered graphite.